

3 illumination light, an irradiance at a wavelength in a range of 600 nm to 100 nm
4 is 0.1 W/m² or more.

1 *sub 1* 35. (Newly Added) A radiant energy radiation apparatus
2 according to claim 1, wherein: radiation in the predetermined wavelength range
3 is radiation in a range of 600 nm to 1100 nm; and the radiation in the range of
4 600 nm to 1100 nm is radiated while being pulse-modulated at 0.5 to 13 Hz.

1 36. (Newly Added) A radiant energy radiation apparatus
2 according to claim 1, wherein on an irradiated plane to be irradiated with the
3 illumination light, radiant energy of radiation at a wavelength in a range of 600
4 nm to 1100 nm is equal to or greater than 15% of radiant energy of radiation at a
5 wavelength in a visible wavelength range of 380 nm to 780 nm.

1 37. (Newly Added) A radiant energy radiation apparatus
2 according to claim 1, wherein a radiant efficiency of radiation at a wavelength in
3 a range of 600 nm to 1100 nm is equal to or greater than 0.001 W/lm.

1 38. (Newly Added) A radiant energy radiation apparatus
2 according to claim 1, wherein on an irradiated plane to be irradiated with the
3 illumination light, radiant energy of radiation at a wavelength in a range of 1100
4 nm to 2.5 μ m is smaller than radiant energy of radiation at a wavelength in a
5 range of 600 nm to 1100 nm.

1 39. (Newly Added) A radiant energy radiation apparatus
2 according to claim 1, wherein: the illumination light has a color of light which
3 does not cause discomfort; and a deviation (duv) of the chromaticity of light
4 from a Planckian locus in Commission Internationale de l'Eclairage (CIE) 1960
5 UCS chromaticity diagram is with ± 0.01 .

1 40. (Newly Added) A radiant energy radiation apparatus
2 according to claim 36, wherein the apparatus has a configuration of a discharge
3 lamp.

1 41. (Newly Added) A radiant energy radiation apparatus
2 according to claim 37, wherein the apparatus has a configuration of a discharge
3 lamp.

1 42. (Newly Added) A radiant energy radiation apparatus
2 according to claim 38, wherein the apparatus has a configuration of a discharge
3 lamp.

1 43. (Newly Added) A radiant energy radiation apparatus
2 according to claim 39, wherein the apparatus has a configuration of a discharge
3 lamp.

1 44. (Newly Added) A radiant energy radiation apparatus
2 according to claim 40, wherein the apparatus has a configuration of a fluorescent
3 discharge lamp.

1 45. (Newly Added) A radiant energy radiation apparatus
2 according to claim 41, wherein the apparatus has a configuration of a fluorescent
3 discharge lamp.

1 46. (Newly Added) A radiant energy radiation apparatus
2 according to claim 42, wherein the apparatus has a configuration of a fluorescent
3 discharge lamp.

1 47. (Newly Added) A radiant energy radiation apparatus
2 according to claim 43, wherein the apparatus has a configuration of a fluorescent
3 discharge lamp.

1 48. (Newly Added) A radiant energy radiation apparatus
2 according to claim 36, wherein the apparatus has a configuration of an
3 incandescent lamp.

47
1 49. (Newly Added) A radiant energy radiation apparatus
2 according to claim 37, wherein the apparatus has a configuration of an
3 incandescent lamp.

1 50. (Newly Added) A radiant energy radiation apparatus
2 according to claim 38, wherein the apparatus has a configuration of an
3 incandescent lamp.

1 51. (Newly Added) A radiant energy radiation apparatus
2 according to claim 39, wherein the apparatus has a configuration of an
3 incandescent lamp.

1 52. (Newly Added) A radiant energy radiation apparatus
2 according to claim 36, wherein the apparatus has a configuration of a light
3 source including a solid light emitting device.

1 53. (Newly Added) A radiant energy radiation apparatus
2 according to claim 37, wherein the apparatus has a configuration of a light
3 source including a solid light emitting device.

1 54. (Newly Added) A radiant energy radiation apparatus
2 according to claim 38, wherein the apparatus has a configuration of a light
3 source including a solid light emitting device.

1 55. (Newly Added) A radiant energy radiation apparatus
2 according to claim 39, wherein the apparatus has a configuration of a light
3 source including a solid light emitting device.

1 56. (Newly Added) A radiant energy radiation apparatus
2 according to claim 17, wherein on an irradiated plane to be irradiated with
3 radiation, an irradiance at a wavelength in a range of 700 nm to 1100 nm is 0.03
4 W/M² or more.

1 57. (Newly Added) A radiant energy radiation apparatus
2 according to claim 17, wherein: radiation in the predetermined wavelength
3 range is radiation in a range of 700 nm to 1100 nm; and radiation in the range of
4 700 nm to 1100 nm is radiated while being pulse-modulated at 0.5 to 13 Hz.

1 58. (Newly Added) A radiant energy radiation apparatus
2 according to claim 17, wherein on an irradiated plane to be irradiated with
3 radiation, radiant energy of radiation at a wavelength in a range of 1100 nm to
4 2.5 μm is smaller than radiant energy of radiation at a wavelength in a range of
5 700 nm to 1100 nm.

1 59. (Newly Added) A radiant energy radiation apparatus
2 according to claim 56, wherein the apparatus has a configuration of a discharge
3 lamp.

1 60. (Newly Added) A radiant energy radiation apparatus
2 according to claim 57, wherein the apparatus has a configuration of a discharge
3 lamp.

1 61. (Newly Added) A radiant energy radiation apparatus
2 according to claim 58, wherein the apparatus has a configuration of a discharge
3 lamp.

1 62. (Newly Added) A radiant energy radiation apparatus
2 according to claim 59, wherein the apparatus has a configuration of a fluorescent
3 discharge lamp.

1 63. (Newly Added) A radiant energy radiation apparatus
2 according to claim 60, wherein the apparatus has a configuration of a fluorescent
3 discharge lamp.

1 64. (Newly Added) A radiant energy radiation apparatus
2 according to claim 61, wherein the apparatus has a configuration of a fluorescent
3 discharge lamp.

CP
1 65. (Newly Added) A radiant energy radiation apparatus
2 according to claim 56, wherein the apparatus has a configuration of an
3 incandescent lamp.

1 66. (Newly Added) A radiant energy radiation apparatus
2 according to claim 57, wherein the apparatus has a configuration of an
3 incandescent lamp.

B
1 67. (Newly Added) A radiant energy radiation apparatus
2 according to claim 58, wherein the apparatus has a configuration of an
3 incandescent lamp.

1 68. (Newly Added) A radiant energy radiation apparatus
2 according to claim 56, wherein the apparatus has a configuration of a light
3 source including a solid light emitting device.

1 69. (Newly Added) A radiant energy radiation apparatus
2 according to claim 57, wherein the apparatus has a configuration of a light
3 source including a solid light emitting device.

1 70. (Newly Added) A radiant energy radiation apparatus
2 according to claim 58, wherein the apparatus has a configuration of a light
3 source including a solid light emitting device.

1 71. (Newly Added) A radiant energy radiation apparatus
2 according to claim 17, wherein the apparatus has an illumination function of
3 providing illumination light for an illumination purpose.

1 72. (Newly Added) A radiant energy radiation apparatus
2 according to claim 17, wherein the apparatus has a display function of displaying
3 a predetermined image.
Set 7/

C.7
B1
cont.

1 73. (Newly Added) A radiant energy radiation apparatus
2 according to claim 72, wherein the predetermined image is displayed by the
3 means for radiating radiation in the predetermined wavelength range.

sub E1

1 74. (Newly Added) A radiant energy radiation apparatus
2 according to claim 72, further comprising display means for displaying the
3 predetermined image, wherein the means for radiating radiation in the
4 predetermined wavelength range is attached to the display means.

Respectfully Submitted,



Andrew L Ney, Reg. No. 20,300
Attorney for Applicants

ALN:aw

Dated: July 18, 2000

P.O. Box 980
Valley Forge, PA 19482-0980
(610) 407-0700

The Assistant Commissioner for Patents
is hereby authorized to charge payment
to Deposit Account No. 18-0350 of any
fees associated with this communication.

I hereby certify that this correspondence is being
deposited with the United States Postal Service with
sufficient postage as first class mail in an envelope
addressed to: Assistant Commissioner for Patents,
Washington, D.C. 20231 on:

July 18, 2000
